



# **XS POWER**

## **Smart LiFe ECU Pack**

### **3S 9.9V**

Welcome to the XS-POWER Smart Series of Lithium Iron Phosphate (LiFePO<sub>4</sub>) ECU batteries. LiFe offers high discharge rates in a very high weight to capacity ratio; longer life cycles and is relatively safe lithium battery chemistry. The chemistry is 90 - 95% energy efficient.

#### **Charging you Smart Battery with the Advanced Radio AR I-Charge battery charger.**

The Smart Pack comes ready to be charged with the Advanced Radio I-Charge or a conventional balance charger.

To charge with the I-Charge simply plug the balance lead into the smart balance circuit located on the side of your XS-POWER pack. Connect the JR connector to the I-Charger charge port select the 3S LiFe setting (Blue I-Charge Stack) and you are ready to go.

#### **Charging with a standard balance charger.**

You can also charge this pack with a conventional Life charger by simply connecting the balance plug to the balance connector on you charger. You then select a standard 3S LiFe balance charge setting. With a conventional balance charger you do not use the Smart Batteries build in balance circuit.

Tests have shown that LiFe chemistry is very robust against over voltage charging however, it is important that this pack **only be charged with a charger capable of charging LiFe 3S battery chemistry**. Charging with excessive voltage may lead to destruction of the individual cells, may cause fire and/or may reduce the life of the flight pack. For maximum life of this battery pack charge at 1C.

***Never under any circumstances leave this pack unattended during the charge cycle.***

The state of charge of this battery as shipped is at an optimum level for storage of LiFe chemistry. **It is important that you charge this flight pack with an approved LiFe charger prior to first use.**

#### **Power Connectors.**

The XS-Power Smart Pack also comes with a JR connector and an Ultra connector. Both of these leads connect directly to the battery pack + and - terminals. The JR connector is provided for charging and the Ultra or MPX connector for power to the ECU.

#### **Usage**

This XS-Power pack has been designed specifically to power 9.6volt ECU systems. The cells are rated at 20C/40C burst which is far above the requirements of a standard ECU start cycle.

The voltage of this XS-Power pack at full charge capacity should be 10.8volts and will decrease to 9.6volts under normal load.

**IT IS HIGHLY RECOMMENDED THAT YOU CALCULATE YOUR MODELS ECU mAh USAGE PER FLIGHT AND ALLOW FOR A 25-30% SAFETY MARGIN WITH THIS PACK. We recommend the Booma RC Smart Switch or Smart Bus as excellent battery usage monitoring devices.**

#### **12 Month Replacement Warranty Information**

Booma RC will replace any pack within 12 months if found to be defective in material and/or workmanship when used as an ECU pack and charged with an appropriate LiFe charger. The warranty does not cover - Shipping charges related to any warranty claim. Discharged batteries that can be recharged and returned to service. A battery of incorrect capacity for the intended use (Over current draw). Damage due to charging system failure, deep discharge below recommended minimum discharge voltage, negligence, abuse, accident, improper installation or freezing. Loss of time, inconvenience, loss of model, or other incidental or consequential damages.



Advanced Radio XS-Power Batteries  
85 Wattle Road, Flinders, NSW 2529, Australia.